

CLAIMS

What is claimed and desired to be secured by Letters Patent is as follows:

1. A stack of flexible sheet material comprising:

a plurality of non-folded sheets each having a first major surface and an opposite second major surface extending between two substantially opposite edges, said sheets being disposed one on top of another; and

said sheets having adhesive coated on said second major surface adjacent one opposite edge and being free of adhesive on the other opposite edge; and

said sheets being stacked with the adhesive on successive sheets disposed on alternate adjacent opposite edges; and

wherein the peel adhesion between the successive sheets is at least 160 g when the sheets are pulled laterally at 180 degrees.

2. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 180 g when the sheets are pulled laterally at 180 degrees.

3. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 200 g when the sheets are pulled laterally at 180 degrees.

4. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 230 g when the sheets are pulled laterally at 180 degrees.

5. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 250 g when the sheets are pulled laterally at 180 degrees.

6. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 280 g when the sheets are pulled laterally at 180 degrees.

7. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 300 g when the sheets are pulled laterally at 180 degrees.

8. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 330 g when the sheets are pulled laterally at 180 degrees.
9. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 350 g when the sheets are pulled laterally at 180 degrees.
10. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 400 g when the sheets are pulled laterally at 180 degrees.
11. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 450 g when the sheets are pulled laterally at 180 degrees.
12. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is at least 500 g when the sheets are pulled laterally at 180 degrees.
13. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is between about 200 and 800 g when the sheets are pulled laterally at 180°.
14. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is between about 300 and 600 g when the sheets are pulled laterally at 180°.
15. The stack of flexible sheet material of claim 1 wherein the peel adhesion between the successive sheets is between about 350 and 500 g when the sheets are pulled laterally at 180°.
16. The stack of flexible sheet material of claim 1 wherein said flexible sheet material is comprised of paper.
17. The stack of flexible sheet material of claim 1 wherein said flexible sheet material is comprised of a polymeric film.
18. The stack of flexible sheet material of claim 1 wherein said stack comprises between about 100 and 1000 sheets.

19. The stack of flexible sheet material of claim 1 wherein said stack comprises between about 150 and 600 sheets.
20. The stack of flexible sheet material of claim 1 wherein said stack comprises between about 200 and 400 sheets.
21. The stack of flexible sheet material of claim 1 wherein said adhesive is a repositionable microsphere pressure-sensitive adhesive.
22. The stack of flexible sheet material of claim 1 wherein said adhesive is applied to said second surface in the form of a band.
23. The stack of flexible sheet material of claim 1 wherein said sheets have a circular shape.
24. The stack of flexible sheet material of claim 1 wherein a plurality of sheets are different colors.
25. The stack of flexible sheet material of claim 1 wherein the successive sheets have alternating colors.
26. The stack of flexible sheet material of claim 1 wherein said sheets are coated with a release material selected from the group consisting of acrylates, chrome complexes, silicone materials, urethanes, and fluorochemicals.
27. The stack of flexible sheet material of claim 1 wherein said sheets are coated with a primer coating.
28. The stack of flexible sheet material of claim 1 wherein the first major surfaces of a plurality of sheets in the stack are printed with a series of consecutive images to create a first set of animation flip sheets.
29. The stack of flexible sheet material of claim 28 wherein the consecutive images are printed on the first major surfaces of alternating sequential sheets.

30. The stack of flexible sheet material of claim 29 wherein the first major surface of every alternating sheet in the stack has an image printed thereon.

31. The stack of flexible sheet material of claim 28 wherein there are at least three sheets between a first image in the series printed on the first major surface of a first sheet and a second successive image in the series printed on the first major surface of another sheet in the stack.

32. The stack of flexible sheet material of claim 28 wherein the second major surfaces of a plurality of sheets in the stack are printed with a second series of consecutive images to create a second set of animation flip sheets.

33. The stack of flexible sheet material of claim 1 wherein the first major surfaces of a plurality of sheets in the stack are printed with a first series of consecutive images to create a first set of animation flip sheets when flipped at one opposite edge, and wherein the first major surfaces of a plurality of sheets in the stack are printed with a second series of consecutive images to create a second set of animation flip sheets when flipped at the other opposite edge.

34. The stack of flexible sheet material of claim 1 wherein the first major surfaces of a plurality of sheets in the stack are printed with a first series of consecutive images to create a first set of animation flip sheets when flipped at one opposite edge, and wherein the second major surfaces of a plurality of sheets in the stack are printed with a second series of consecutive images to create a second set of animation flip sheets when flipped at the other opposite edge.

35. The stack of flexible sheet material of claim 28 when one or more of said images is a water-marked image.

36. The stack of flexible sheet material of claim 28 wherein one or more of said images is printed with an ink selected from the group consisting of phosphorescent ink, infrared. ink, and ultraviolet ink.

37. The stack of flexible sheet material of claim 1 wherein an outer periphery of the stack of sheets is printed with one or more peripheral images.

38. The stack of flexible sheet material of claim 37 wherein said stack is circular in shape and said peripheral image comprises a logo or trademark.

39. A method of using a stack of flexible sheets an animation flip pad comprising:

providing a stack of non-folded sheets, said sheets each having a first major surface and an opposite second major surface extending between two substantially opposite edges, and

said sheets being disposed one on top of another; and

said sheets having adhesive coated on said second major surface adjacent one opposite edge and being free of adhesive on the other opposite edge; and

said sheets being stacked with the adhesive on successive sheets disposed on alternate adjacent opposite edges; and

wherein the first major surfaces of a plurality of sheets in the stack are printed with a series of consecutive images; and

rapidly flipping the sheets at one opposite edge so that the series of consecutive images form an animated picture.

40. The method of claim 39 wherein the sheets are flipped two at a time.

41. The method of claim 39 wherein said the consecutive images are printed on the first major surfaces of alternating sequential sheets.

42. The method of claim 39 wherein there are at least five sheets between a first image in the series printed on the first major surface of a first sheet and a second successive image in the series printed on the first major surface of another sheet in the stack.

43. The method of claim 29 when one or more of said images is a water-marked image.

44. The method of claim 29 wherein one or more of said images is printed with ultraviolet ink and further comprising the step of flipping said sheets under an ultraviolet light source.

45. A method of using a stack of flexible sheets as a recreational toy comprising:

providing a stack of non-folded sheets, said sheets each having a first major surface and an opposite second major surface extending between two substantially opposite edges, and

said sheets being disposed one on top of another; and

said sheets having adhesive coated on said second major surface adjacent one opposite edge and being free of adhesive on the other opposite edge; and

said sheets being stacked with the adhesive on successive sheets disposed on alternate adjacent opposite edges; and

wherein the peel adhesion between the successive sheets is at least 150 g when the sheets are pulled laterally at 180 degrees;

spreading the stack of flexible sheets so at least a portion of the stack of flexible sheets are positioned such that the second major surface of a first sheet touches the first major surface of a successive adjacent sheet in the areas where the sheets are adhered by the adhesive but the second major surface of the first sheet does not otherwise substantially contact the first major surface of a successive sheet where there is no adhesive.

46. The method of claim 45 further comprising the step of further spreading the stack of flexible sheets so that successive portions of the stack are successively positioned in an accordion-like fashion.

47. The method of claim 45 wherein said spreading step is performed by having a user pull on an end portion of the stack.

48. The method of claim 45 wherein said spreading step is performed by having a user place one end of the stack in a palm of one hand and one end of the stack in a palm of the other hand with the palms facing up.

49. The method of claim 48 further comprising the step of having said user moving one or both hands up and down.

50. The method of claim 45 wherein said spreading step is performed by providing said stack on a first upper support surface and then permitting said stack to expand downwardly to a second lower support surface.

51. The method of claim 50 further comprising the step of permitting said stack to rest on said second lower support surface such the first major surface of each sheet rests entirely against the second major surface of the adjacent sheet.

52. The method of claim 51 further comprising the step of permitting one or more upper sheets of the stack to rebound and momentarily move to a third support surface.

53. The method of claim 52 wherein said third support surface is lower than said second support surface.

54. An expandable recreational toy comprising

a stack of flexible sheet material, said stack having

a plurality of circular non-folded sheets each having a first major surface and an opposite second major surface extending between two substantially opposite edges, said sheets being disposed one on top of another; and

said sheets having adhesive coated on said second major surface adjacent one opposite edge and being free of adhesive on the other opposite edge; and

said sheets being stacked with the adhesive on successive sheets disposed on alternate adjacent opposite edges.

55. The recreational toy of claim 54 wherein the peel adhesion between the successive sheets is between about 200 and 800 g when the sheets are pulled laterally at 180°.

56. The recreational toy of claim 54 wherein the peel adhesion between the successive sheets is between about 300 and 600 g when the sheets are pulled laterally at 180°.

57. The recreational toy of claim 54 wherein said stack comprises between about 125 and 300 sheets.

58. The recreational toy of claim 54 wherein a plurality of sheets are different colors.

59. The recreational toy of claim 54 wherein the first major surfaces of a plurality of sheets in the stack are printed with a series of consecutive images to create a first set of animation flip sheets.

60. The recreational toy of claim 59 when one or more of said images is a water-marked image.

61. The recreational toy of claim 59 wherein one or more of said images is printed with an ink selected from the group consisting of phosphorescent ink, infrared ink, and ultraviolet ink.

62. The recreational toy of claim 54 wherein an outer periphery of the stack of sheets is printed with one or more peripheral images.